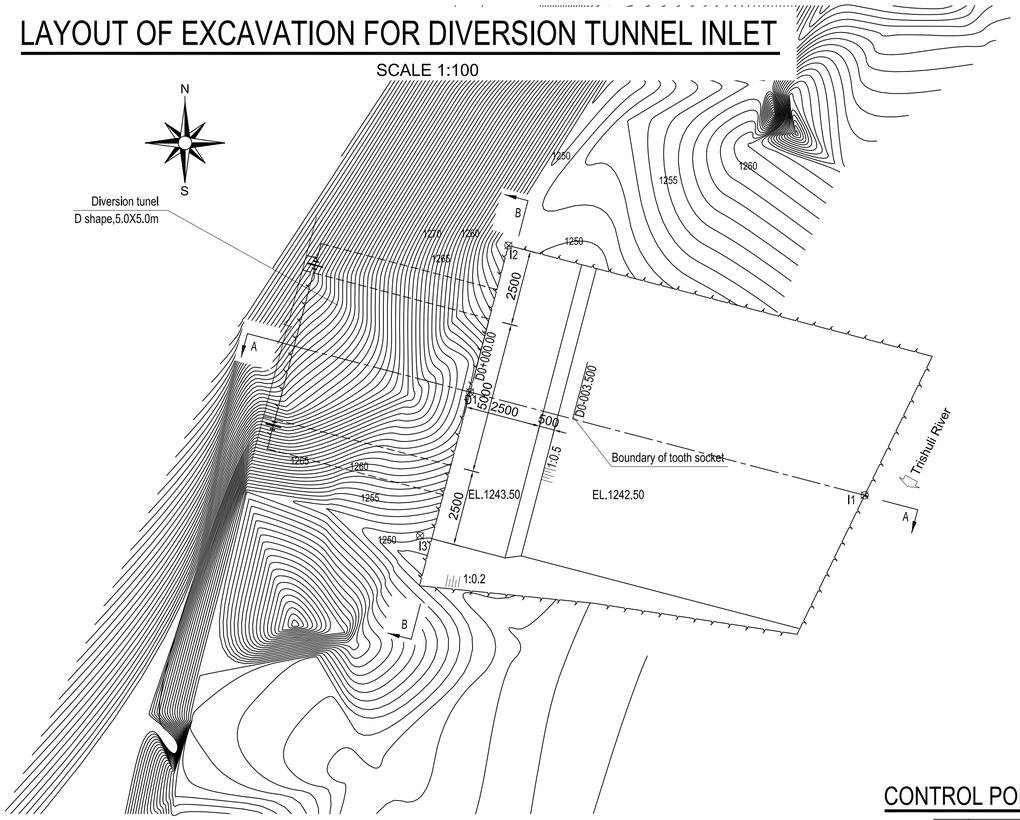
LAYOUT OF EXCAVATION FOR DIVERSION TUNNEL INLET

SCALE 1:100

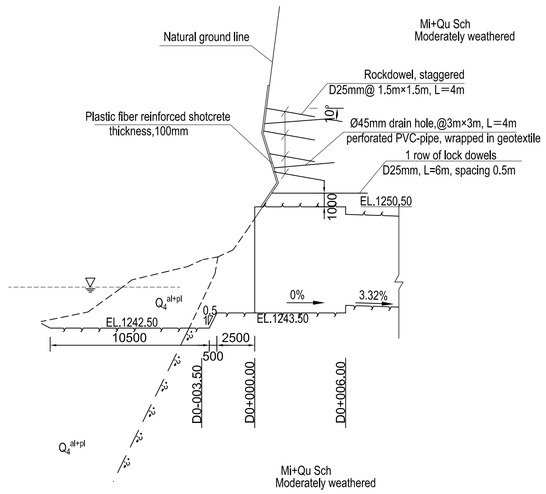


CONTROL POINT COORDINATES

	X(m)	Y(m)
I1	627718.763	3112645.360
D1	627707.453	3112648.317
I2	627708.718	3112653.155
I3	627706.188	3112643.480

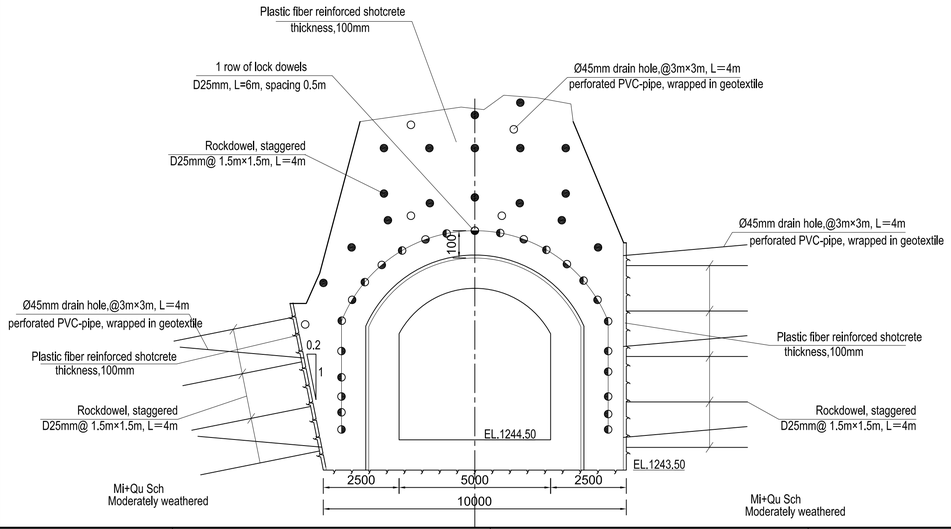
SECTION A-A

SCALE 1:200

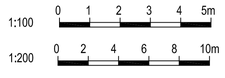


SECTION B-B

SCALE 1:100



SCALE:



NOTE

1. This set of drawings are the excavation and initial support of inlet and outlet portal of diversion tunnel.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. The excavation and support types of the inlet and outlet portal can be adjusted by the designer according to the actual situation after the geological conditions are revealed.
4. Symbol description:
   D denotes deformed bar, yield strength of the deformed bar is 500MPa;
5. Strength specification of shotcrete:
   Cylinder specified compressive strength 21MPa at 28 days.
6. Strength of shotcrete is subject to approval.

REFERENCE DRAWINGS

UT1-C-010-CVL-DG-42001	ARRANGEMENT DRAWING OF DIVERSION TUNNEL

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
C	22.JAN.2022	FOR APPROVAL	DONG Z.Z.	K.J.KIM	Y.S.SON
B	31.DEC.2021	FOR APPROVAL	DONG Z.Z.	K.J.KIM	Y.S.SON
A	25.DEC.2021	FOR APPROVAL	DONG Z.Z.	K.J.KIM	Y.S.SON

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC
NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE
jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

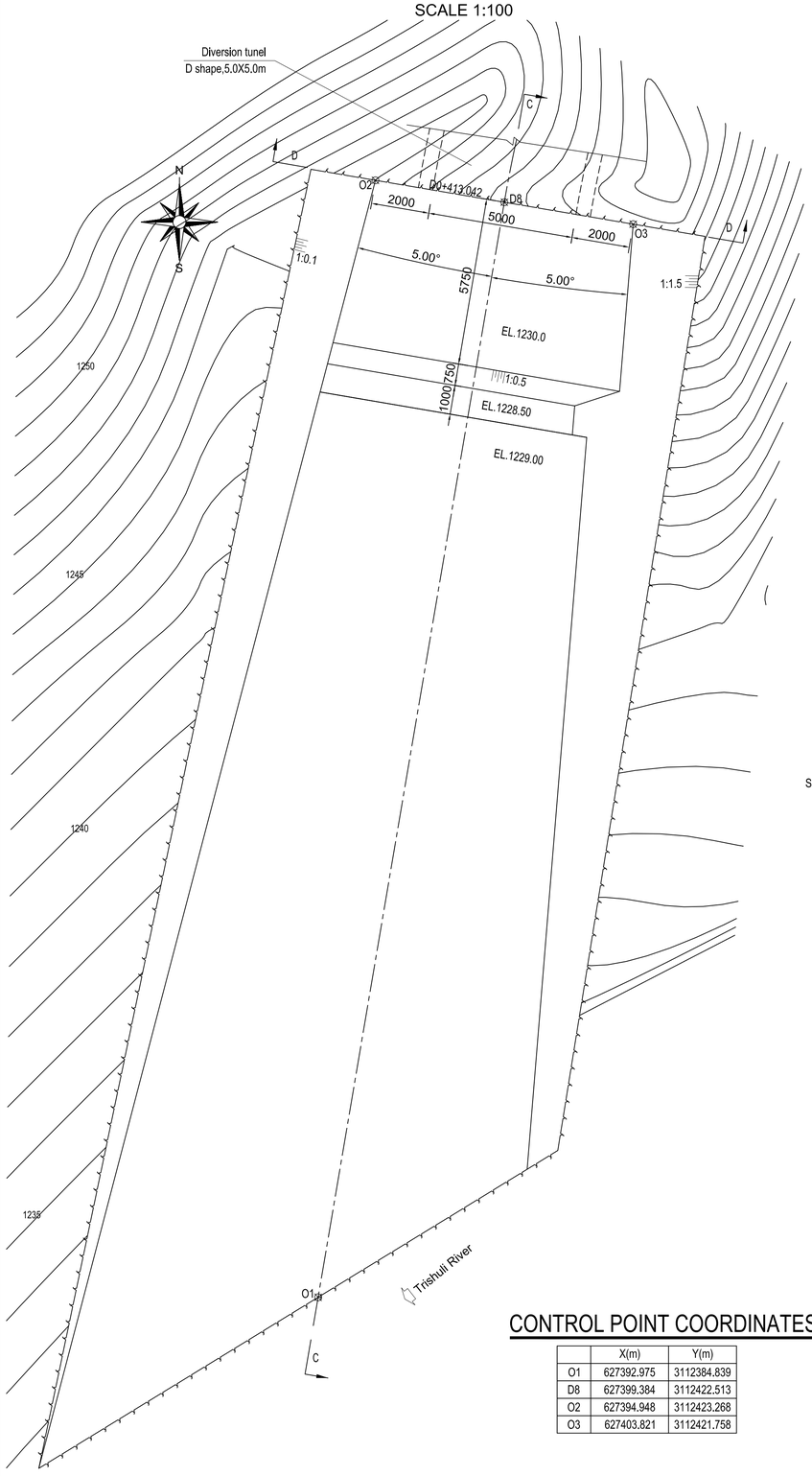
EXCAVATION AND SUPPORT DRAWING OF INLET AND OUTLET PORTAL OF DIVERSION TUNNEL (1/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-010-CVL-DG-42002	1 OF 2	C

A1 (594 x 841 MM)

LAYOUT OF EXCAVATION FOR DIVERSION TUNNEL OUTLET

SCALE 1:100

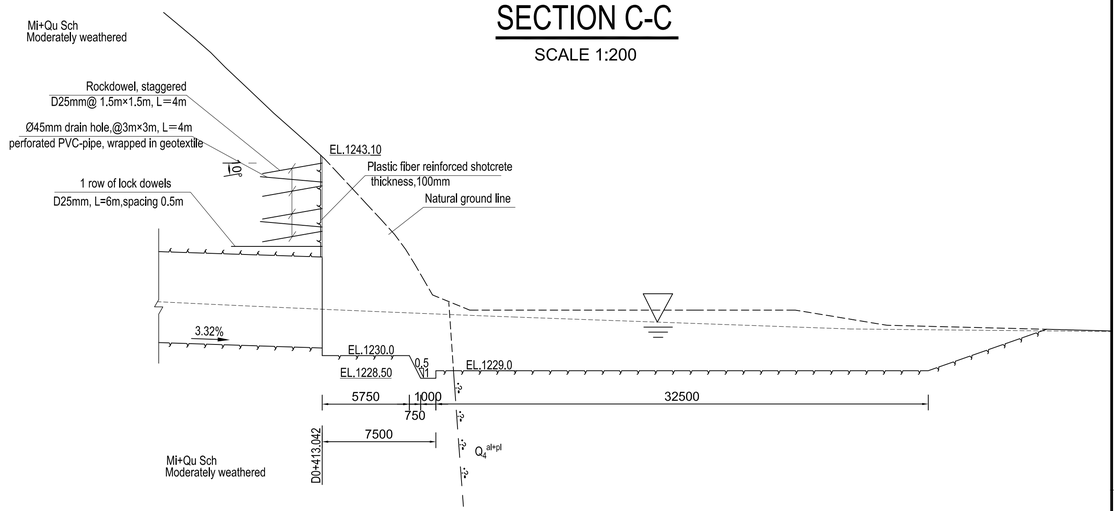


CONTROL POINT COORDINATES

	X(m)	Y(m)
O1	627392.975	3112384.839
D8	627399.384	3112422.513
O2	627394.948	3112423.268
O3	627403.821	3112421.758

SECTION C-C

SCALE 1:200



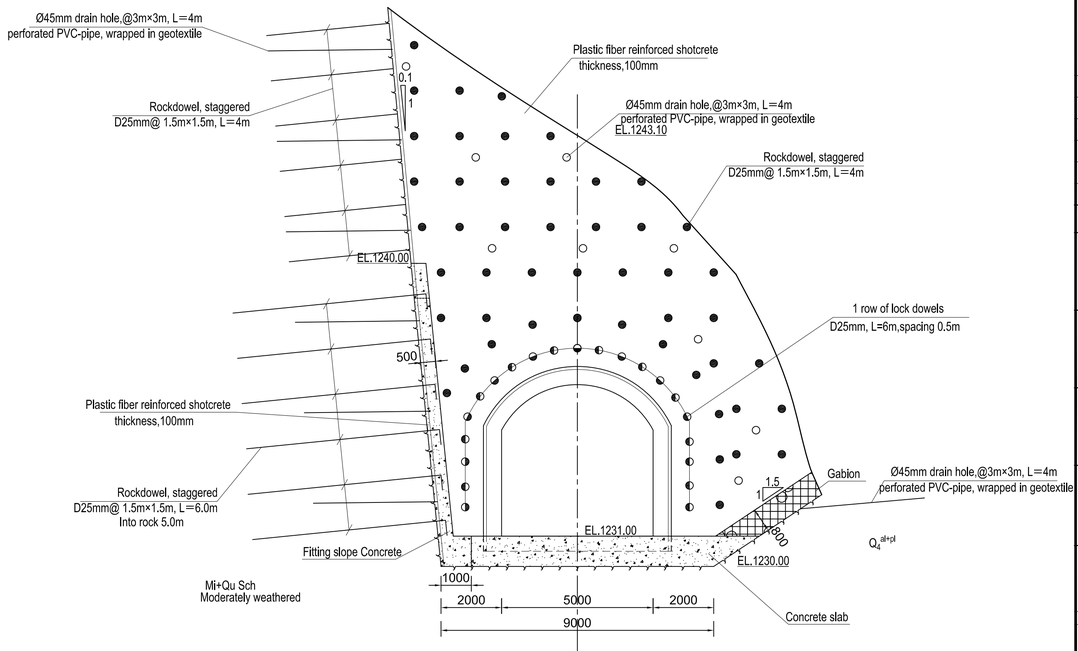
SCALE:

1:100 0 1 2 3 4 5m

1:200 0 2 4 6 8 10m

SECTION D-D

SCALE 1:100



NOTE

1. This set of drawings are the excavation and initial support of inlet and outlet portal of diversion tunnel.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. The excavation and support types of the inlet and outlet portal can be adjusted by the designer according to the actual situation after the geological conditions are revealed. This is subject of approval by the OE.
4. Symbol description:
   D denotes deformed bar, yield strength of the deformed bar is 500MPa;
5. Strength specification of shotcrete:
   Cylinder specified compressive strength 21MPa at 28 days.Shotcrete strength is subject of approval.
6. Thickness and strength of filling slope concrete is subject of approval. Thickness and strength of concrete slab is subject of approval.

REFERENCE DRAWINGS

UT1-C-010-CVL-DG-42001	ARRANGEMENT DRAWING OF DIVERSION TUNNEL

SYMBOL AND LEGEND

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PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF INLET AND OUTLET PORTAL OF DIVERSION TUNNEL (2/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-010-CVL-DG-42002	2 OF 2	C

A1 (594 x 841 MM)